WHAT IS CLAIMED IS:

1. An illumination apparatus projecting light forward, comprising:

a light source;

forward projecting means positioned in front of said light source for receiving light from said light source to project the light forward; and

a reflecting mirror enclosing said light source and said forward projecting means for directing and reflecting forward the light from said light source.

2. The illumination apparatus according to claim 1, wherein said reflecting mirror is a parabolic mirror, and said light source is positioned at a focus of the parabolic mirror.

3. The illumination apparatus according to claim 1, wherein said forward projecting means is a Fresnel lens having a stepped surface arranged on a plane on opposite side of said light source,

the illumination apparatus further comprising transparent air-blocking mean provided in front of said Fresnel lens to prevent said Fresnel lens from being exposed to air.

4. The illumination apparatus according to claim 1, wherein said forward projecting means is a small-diameter reflecting mirror having an aperture smaller than that of said reflecting mirror.

5. The illumination apparatus according to claim 1, further comprising distance varying means that can vary a distance between said forward projecting means and said light source.

6. The illumination apparatus according to claim 5, wherein said distance varying means is a screw mechanism provided between a light source-fixing member fixing said light source and a forward projecting means-fixing member fixing said forward projecting means.

7. The illumination apparatus according to claim 1, wherein said light source is an LED (Light Emitting Diode).